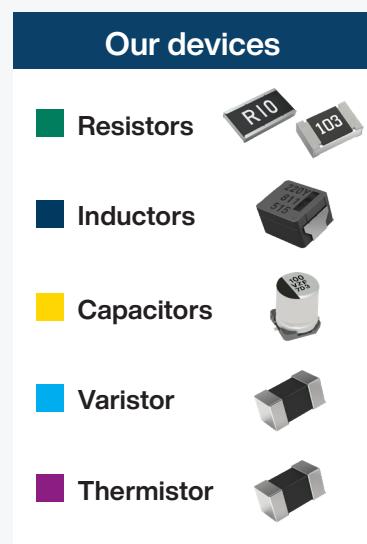
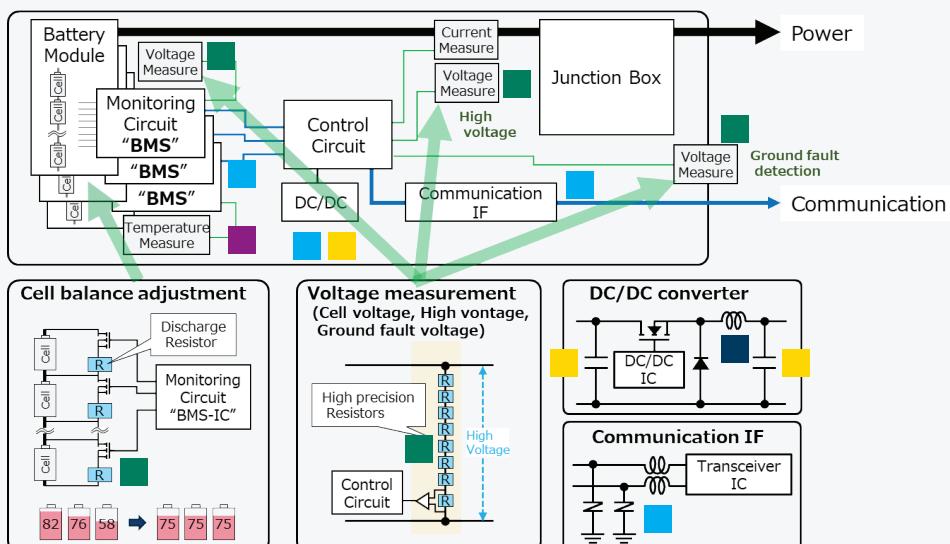


Battery Management System

A battery management system (BMS) is any electronic system that manages a rechargeable battery (cell or battery pack), such as by protecting the battery from operating outside its safe operating area monitoring its state. Panasonic provides devices best suited to customer's needs, such as thermistors, varistors, capacitors, power inductors and resistors.

Block Diagram:



Design consideration:

- EMI/EMC performance
- Voltage and current rating
- High reliability
- Heat dissipation properties

Recommended product:

- High Voltage & High precision resistors series: [ERJPM8 / V8K / ERA8P / ERA*V / ERJB](#)
- LP Inductors: [ETQP4M*KVK / ETQP4M*KVC / ETQP3M*KVC / ETQP3M*KVN](#)
- Capacitors: [TP series EETP* / ZC series EEHZC* / ZKU series EEHZK*](#)
- Circuit protection: [Thermistor ERTJ* / Varistor ERZJP*](#)

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